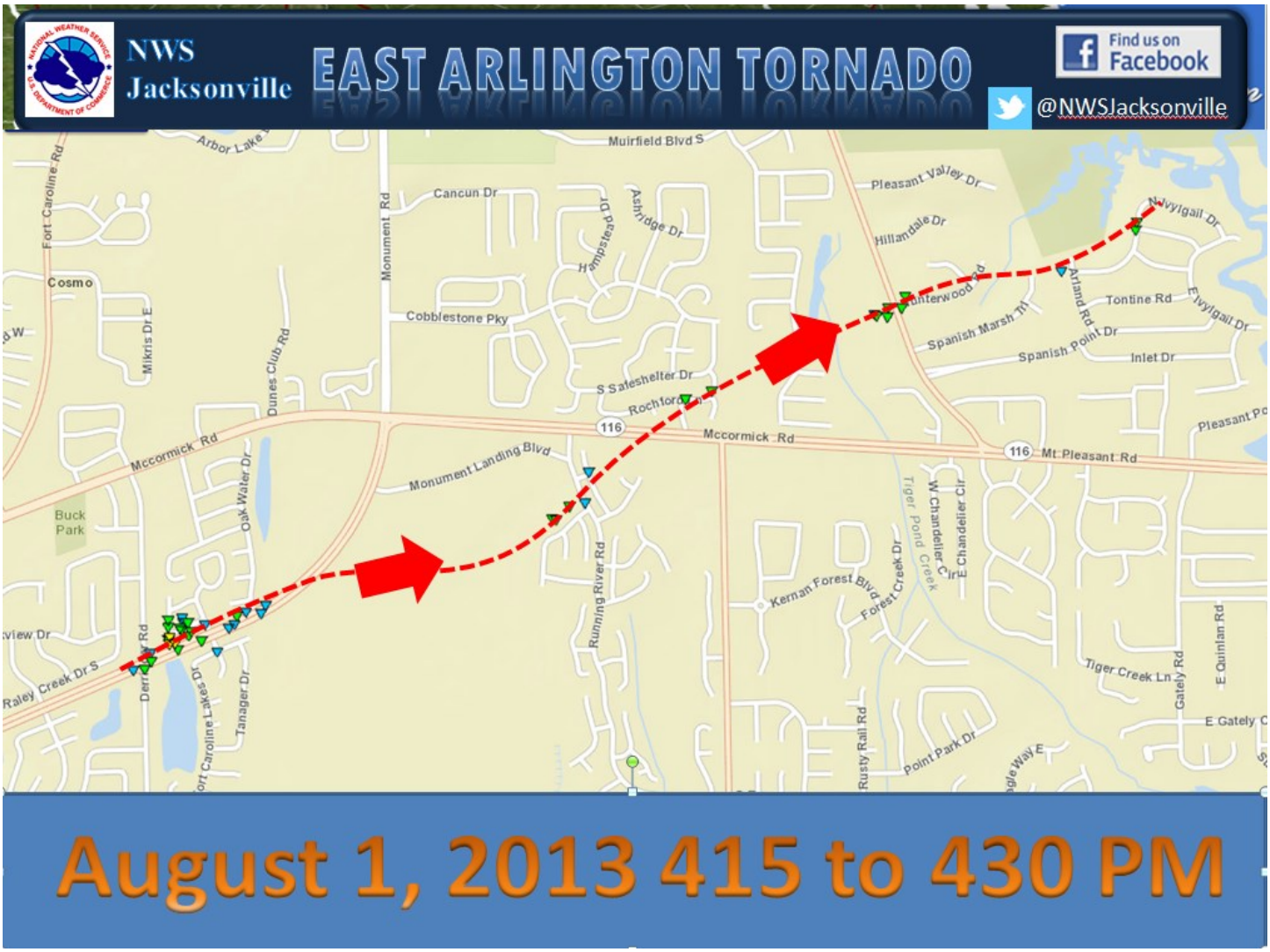
...Storm Survey for East Arlington (Jacksonville) EF2 tornado….

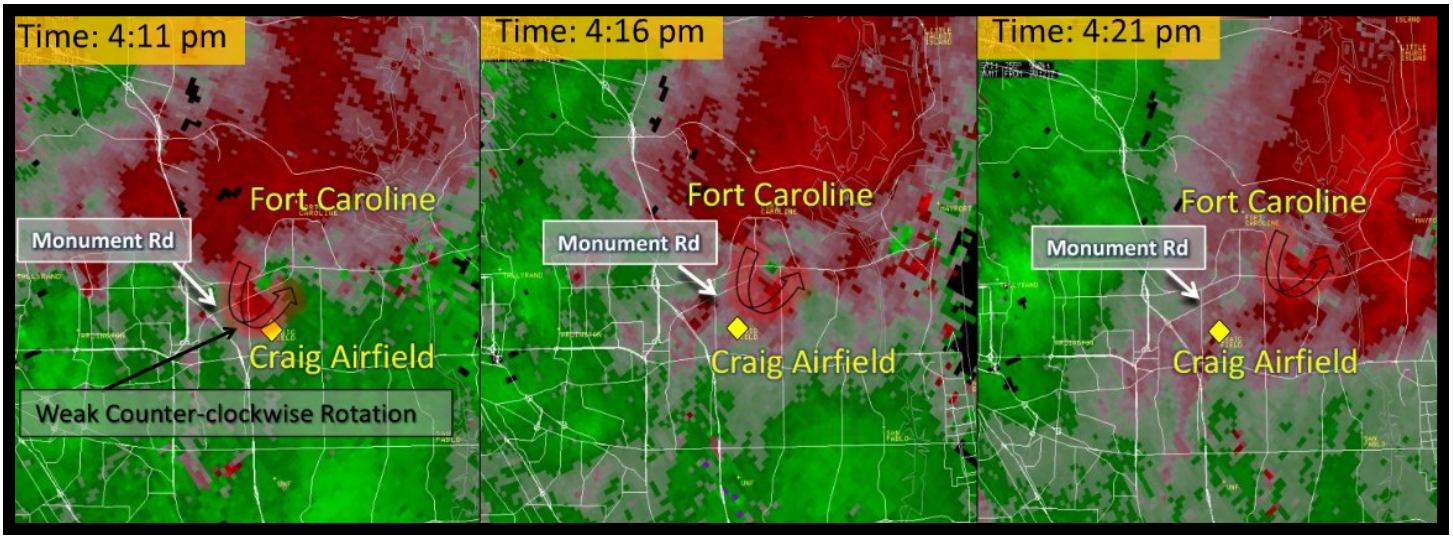
During the late afternoon hours...between 415 and 430 pm on August 1, 2013...a tornado went through the greater east Arlington area of Jacksonville, Florida. The NWS Storm Survey team concluded that EF-2 tornado of 115 mph winds briefly touched down in the vicinity of Monument Road and Derringer Road in and around the Shadowood apartments by Willowood Drive. This is where the storm was it greatest width of 135 yards.

The tornado continued on an intermittent path another 2.50 miles across the general east Arlington area mainly as an EF-1 tornado with winds of 90 to 105 mph in a very confined path. Generally the width was about 100 yards as it moved to the northeast to the intersection of Monument Road to Oak Water Drive. The tornado continued to move to the northeast into the northern part of Cedar Swamp then into the Monument Landing neighborhood near the cross- section of Rushcreek Drive and Running River Road. The tornado then moved northeast across McCormick Road moving toward rochford lane intersecting with Bridgenorth Court and Rochford Court. The storm continued to progress northeast into the Cobblestone Neighborhood toward the intersection of Mt. Pleasant road and Hunterwood Road and then into the Spanish Point neighborhood ending at the intersection of Ivyigail Drive and Tomaka Road.



The start location of the tornado was 30.3520 north and 81.5124 west. The approximate end location of the tornado was 30.3666 north and 81.4743 west. The storm damaged at least 15 to 20 buildings in the east Arlington area with one person treated for minor injuries.

Our thoughts are with those that had storm damage and wish a speedy recovery getting homes repaired quickly. We like to thank those homeowners who graciously allowed the nws to survey the damage and provide important information and their story of what happened.



Meteorological Summary:

A trough of low pressure in the upper atmosphere moved eastward across the southeastern United States on Thursday, August 1st. This weather feature created an unstable atmospheric profile that produced numerous thunderstorms in northeast Florida during the afternoon hours. These thunderstorms propagated into the metropolitan Jacksonville area during the mid-afternoon hours. Downdrafts of rain cooled air produced by these thunderstorms converged over Duval County and interacted with a westward moving sea breeze boundary. These converging boundaries created favorable conditions for thunderstorms to rapidly strengthen, and a large complex of strong to severe thunderstorms drifted slowly eastward across eastern Duval County through 5:30 pm. Strong southerly surface winds fed into the thunderstorm complex, as the automated weather sensor at the Naval Air Station Jacksonville recorded a 41 mph wind gust before 4 PM. These winds enhanced the rotational capability of thunderstorm updrafts over eastern Duval County, resulting in the development of strong wind gusts and ultimately a damaging tornado that touched down in the Arlington area of Jacksonville around 4:15 PM. This thunderstorm complex produced blinding downpours that resulted in significant flooding throughout eastern Duval County. Widespread rainfall amounts of 2 to 4 inches were reported by several rain gauges in eastern Duval County between 4 and 5:30 PM, with numerous roads and neighborhoods in eastern Duval County becoming inundated by floodwaters during the late afternoon hours.